

A Device for Raising the Harvest-yield

SOV/29-59-4-13/26

sacks are put below the bunker. The individual parts of the device are driven by the crankshaft. This device was used for the harvesting of wheat, oats, barley, and rye in the Moscow and Tambov oblast'. Experiments have shown that by means of this device about 18% of corn suited for seeding may be separated from the total harvest. Damage of the grains is not more than 0.25%. In the case of seed of the bunker about 5-11% of grains are damaged. The yield of this seed was by 2-3 hundredweights per hectare than in the normal case. Compared to the seed of the bunker the germinating power of these grains is by 5-10% higher. There is 1 figure.

ASSOCIATION: Kafedra sel'skokhozyaystvennykh mashin Moskovskoy ordena Lenina sel'skokhozyaystvennoy akademii imeni K. A. Timiryazeva (Chair of Agricultural Machines of the Moscow Lenin-Order Agricultural Academy imeni K. A. Timiryazev)

Card 2/2

AZOVTSEV, N.G., aspirant

Technology of the double threshing of grain. Izv. TSKhA
no.4:227-234 '59. (MIRA 12:11)
(Threshing machines) (Grain)

AZOVTSEV, N. G., Cand Agric Sci (diss) -- "Investigation of the technology of double threshing of rice and other grains". Moscow, 1960. 25 pp (Moscow Order of Lenin Agric Acad im K. A. Timiryazev), 110 copies (KL, No 10, 1960, 133)

SPIVAK, G.V., PRILZHAYEVA, I.N., AZOVTSEV, V.K.

Magnetic contrast in the electron mirror and observations on
ferromagnetic domains. Dokl. AN SSSR 105 no.5:965-967 D '55.
(MIRA 9:3)

1. Moskovskiy gosudarstvennyy universitet imeni M.V. Lomonosova.
Predstavлено академиком M.A. Leontovichem.
(Ferromagnetism) (Electron optics)

AZOVTSEV, V. K., DOMBOVSKAYA, T. N., PRILEYAYEVA, I. N., SHITNIKOVA, I. S.,
KANANVINA, N. G., and SPIVAK, G. V., (Moscow)

"On the Direct Visualization of the Domains of a Ferromagnetic by Means of
an Electron Microscope with Secondary Emission and an Electron Mirror," a paper
submitted at the International Conference on Physics of Magnetic Phenomena,
Sverdlovsk, 23-31 May 56.

VK

AUTHORS: Spivak, G. V., Kanavina, N. G., Sbitnikova, I. S. 48-8-21/25
Prilezhayeva, I. N., Dombrovskaya, T. N., Azovtsev, V. K.,

TITLE: The Direct Observation of Domas of Ferromagnetica on the Occasion
of the Application of the Double-Emission Electron Microscope and
the Electron Mirror (O neposredstvennom nablyudenii domenov fer-
romagnetika pri pomoshchi vtorichno-emissionnogo elektronnogo
mikroskopa i elektronnogo zerkala)

PERIODICAL: Izvestiya AN SSSR, Ser.Fiz., 1957, Vol. 21, Nr 8, pp. 1177-1182
(USSR)

ABSTRACT: Already in 1947 L. Germer proved that the electron beam gliding
along the cobalt monocrystal enters into cooperation with doma
fields, but he was not able to obtain a doma image because the
electron beam used by him for this purpose was not suitable. Also
the results obtained by the research work carried out by Marston
and his collaborators are here described as interesting, but also
in this case doma images were not obtained. In contrast to the
works mentioned, a method is suggested here, according to which
it is possible to obtain doma images of ferromagnetica by the
application of the electron beam, and also the process of magnet-
ization can be observed on the surface of the sample. This paper
is based upon the idea that it is possible to produce an electron
optical contrast, and that, hereby, it is possible to study magn-

Card 1/3

The Direct Observation of Domas of Ferromagnetica on the Occasion 48-8-21/25
of the Application of the Double-Emission Electron Microscope and the Electron
Mirror.

etic non-uniformity with success. The interaction of a uniform electron current with a gliding surface containing the magnetic electric lens causes modulation according to the density of the electron beam. By the further application of an electrostatic or magnetic lens (macrolens) the image of the gliding surface or a nearby surface is obtained, where the effect produced by the local magnetic field is the most effective.

The paper is divided in the further course into 5 chapters entitled: The Co-operation between micro- and macrolenses; properties of the electron beam which are of essential importance for observing the micro-relief; the visualization of domas by means of double electron emission; visualization of domas by means of electron mirrors; visualization of magnetic microstructure by the modulation method. In conclusion it is said that the here recommended methods are of abstract character and permit an indirect treatment of the problems in question, so that it is to be recommended that research work be carried out according to the direct electro-optical methods in order that more exact knowledge be obtained in this field. There are 6 figures and 9 references, 6 of which are Slavic.

Card 2/3

The Direct Observation of Domas of Ferromagnetica on the Occasion 48-8-21/25
of the Application of the Double-Emission Electron Microscope and the Electron
Mirror.

ASSOCIATION: Dept. of Physics of Moscow State University imeni M.V.Lomonosov
(Fizicheskiy fakultet Moskovskogo gos. universiteta imeni M.V.
Lomonosova)

AVAILABLE: Library of Congress

Card 3/3

AZOVSEVA, A., studentka V kursa

Studying the surface of solutions by the light reflection method.
Sbor. stud. rab. Uz. GU no. 2:139-141 '59. (MIRA 13:17)

1. Nafedra obshchey fiziki Uzbekskogo gosudarstvennogo universiteta.
(Liquids) (Reflection (Optics))

BYALYY, A.M.; AZOVTSEVA, T.V.

Change in erosion processes as an effect of the protective
rotation of crops. Pochvovedenie no.3:91-100 Mr '64.
(MIRA 17:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut agrolesomelio-
ratsii.

AZVELYAN, R.

ANALYST AND PROJECT LEADER

R.

Spectroscopic analysis of the antimony for impurities.
O. A. Azvelyan. Bull. acad. sci. U. R. S. S., Ser. phys. 4, 20-2(1940).—Quant. spectroscopic data of Cu, Fe, As, Bi, Ag and Pb in Sb was made by comparing the intensities of certain lines of Sb with the chosen lines of the elements in question. The ratio between the line intensity and the percentage of impurities was carefully estd. on a sample of Sb with known content of impurities. The pairs of lines used for comparison were: Cu I $\lambda = 3247.5$ Å, rr. Sb $\lambda = 3383.15$ Å., Ag I $\lambda = 3290.7$ Å, rr. Sb $\lambda = 2554.6$ Å., Bi I $\lambda = 3007.7$ Å, rr. Sb $\lambda = 2554.6$ Å., As I $\lambda = 2349.8$ Å, rr. Sb $\lambda = 2554.6$ Å., Fe II $\lambda = 2755.7$ Å, rr. Sb $\lambda = 2554.6$ Å., Pb I $\lambda = 2803.1$ Å, rr. Sb $\lambda = 2554.6$ Å. The spectroscopic method described gives the same results as direct chem. analysis of the substance and is considerably more rapid.
Roksalana Gamow

AIA-LLA METALLURGICAL LITERATURE CLASSIFICATION

SEARCHED	SEARCHED AND INDEXED	COLLECTED	INDEXED	FILED	SEARCHED	SEARCHED AND INDEXED	COLLECTED	INDEXED	FILED
10	10	10	10	10	10	10	10	10	10

AZREL'YAN, O. P.

"Spectral Analysis of Minor Admixtures in Antimony and Lead Antimonite,"
Iz. Ak. Nauk SSSR, Ser. Fiz., 11, No. 3, 1947

Sci. Res. Battery Inst., Leningrad

AREL'YAN, O. I.

159T53

USSR/Metals - Lead, Antimony Alloys
Analysis

Jan 50

"Determination of Small Quantities of Nickel in
Antimony and Lead-Antimony Alloys," O. P. Azrel'yan,
A. S. Andreyev, Ye. S. Pospelova, Sci.Res Inst,
I.P.

"Zavod Lab" Vol XVI, No 1

Offers new method for determining nickel in antimony
without its separation and simple and very sensitive
method for determining very small amounts of nickel
in lead-antimony alloys. Latter method employs elec-
tronyxsis for eliminating lead from solution. One

159T53

USSR/Metals - Lead, Antimony Alloys Jan 50
(Contd)

case of analysis by this method gave results:
0.0013, 0.0011, 0.0013, and 0.0013% of nickel.

159T53

USSR/Chemistry - Nickel Nov/Dec 51

Lead-Acid Storage
Batteries

"Determination of Small Admixtures of Nickel in Lead and Active Substances of the Lead-Acid Storage Battery," A. S. Andreyev, O. P. Azrel'yan, Ye. S. Pospelova, Sci Res Storage Battery Inst, Leningrad

"Zhur Analit Khim" Vol VI, No 6, pp 375-382

Finding method given in GOST 2076-43 inadequate for detn of Ni in Pb, proposes new method. Sepd Ni by electrolytic pptn of Pb as dioxide, making

LC 195T34

UBER/Chemistry - Nickel Nov/Dec 51

cotypn of Ni impossible; detd Ni colorimetrically with dimethylglyoxime; found max concns of Pb, Cu, Fe not interfering with reactions and optimum conditions for reaction. Worked out method for spcl of active substances of storage battery using Feigl's reaction. Proposed method for detn of small amts of Ni in Pb and active mass of storage battery.

LC

195T34

AZREL'YAN, O. P.

PA 195T34

AZRIEL', Yefim Tevf'yevich

[Introduction to mathematical analysis] Vvedenie v
matematicheskii analiz. Moskva, Mosk. gos. tekhnichesk.
tekhnolog. in-t, 1963. 312 p. (Kluch 18:1)

AZRILENKO, B.S. [Asvylenko, B.S.]; LIVSHITS, M.Ya. [Livshyts', M.A.]

Use of ultrasonic waves for the manufacture of emulsions.
Leh.prom. no.1:22-23 Ja-Mr '62. (MIRA 15.1)

1. Odesskaya dzhutovaya fabrika.
(Emulsions) (Ultrasonic waves—Industrial applications)

AZRILEVICH, M. R.

Design of masscuite distributors. Sakh. prom. 36 no.10:30
O '62. (MIRA 15:10)

I. Vsesoyuznyy nauchno-issledovatel'skiy i eksperimental'no-konstruktorskiy institut prodovol'stvennogo mashinostroyeniya.

(Sugar machinery--Design and construction)

AZRILEVICH, M.R.

Standardization of the equipment for sugar beet processing and sugar refining. Sakh.prom. 38 no.3:10-15 Mr '64. (MIRA 17:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy i eksperimental'no-konstruktorskiy institut prodovol'stvennogo mashinostroyeniya.

AZRILEVICH, Moisey Yakovlevich, inzh.; KRASNYUK, G.M., inzh.,
retsenzent; ZHUKOV, G.I., inzh., retsenzent; KALMENS,
R.I., red.

[Equipment of sugar-beet plants] Oborudovanie sveklo-
sakharinykh zavodov. Moskva, Pishchevaiia promyshl.,
1964. 282 p. (MIRA 17:12)

1. Gosudarstvennyy Komitet po mashinostroyeniyu pri
Gospplane SSSR (for Krasnyuk). 2. Krasnodarskiy tekhnikum
sakhariny promyshlennosti (for Zhukov).

AZRIL'IAN, Yu.

Laboratory of electronic computers. Prof.-tekhn.oabr. 19
no.11:17-18 N '62. (MIRA 16:2)

1. Master proizvodstvennogo obucheniya remeslenogo uchilishcha
No.1st, Bashkirskaya ASSR.
(Automatic control)

PHASE I BOOK EXPLOITATION

499

Azrilyant, P. A., and Belkina, M. G.

Chislennyye rezul'taty teorii diffraksi radiovoln vokrug zemnoy poverkhnosti
(Numerical Results of the Theory of the Diffraction of Radio Waves Around the
Earth's Surface) 2d ed. Moscow, Izd-vo "Sovetskoye radio", 1957. 44 p.

ED.: Ivanushko, N. D.; Tech. Ed.: Svetnikov, A. A.

PURPOSE: This book is addressed to radio engineers concerned with the calculation
of radio wave propagation and the design of radar equipment.

COVERAGE: This monograph assembles in the form of tables and graphs the results of
calculations made to determine the electromagnetic field attenuation
factor of horizontal and vertical polarization radio waves during their
propagation around the surface of the earth under normal conditions. The
basic calculations of the attenuation factor were made in succession and
include the shadow zone and the penumbral zone. The fitting of the dif-
fraction curves with the plots of the reflection formulas has been studied.
Additional formulas, tables and graphs are given which make it possible to
calculate by simple operations normal radio wave propagation (beginning
with the light zone and ending with the deep shadow zone). An example is

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Numerical Results of the Theory of the Diffraction (Cont.) 499

6. Description of Graphs and Tables	20
7. Examples of Field Intensity Calculation	23
8. Tables 1 to 33	25
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AVAILABLE: Library of Congress

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9/9/58

Card 3/3

AZRIlyant, Ya. M.

KULAKOV, D.V., arkhitektor, redaktor; AZRILYANT, Ya.M., redaktor; TOLER,
A.M., tekhnicheskiy redaktor

[Standards for the design of sanatoriums and rest homes] Normy
proektirovaniia sanatoriev i domov otdykh; N-109-53. Moskva,
Gos. izd-vo lit-ry po stroitel'stvi i arkhitekture, 1953. 29 p.
[Microfilm]

(MIRA 7:10)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam
stroitel'stva.

(Building—Contracts and specifications)
(Sanatoriums)

TEMKIN, L.Ye., inzhener, redaktor; AZRILYANT, Ya.M., redaktor; TOKER, A.M., tekhnicheskiy redaktor.

[Specifications for reinforced, autoclave foam-concrete sheets 2.5 and 3.0 meters long for industrial plant floors (TU 137-53)] Tekhnicheskie usloviia na plity armirovannye iz avtoklavnogo penobetona.

dlinoi 2,5 i 3,0 m. dla pokrytii promyshlennykh zdanii (TU 137-53). Minstroi

Moskva, Gos. izd-vo lit-ry po stroitel'stvu i arkhitekture, 1954.
7 p. (MIEA 8:2)

1. Russia (1923- U.S.S.R.) Ministerstvo stroitel'stva. Tekhnicheskoye upravleniye.
(Floors, Concrete) (Precast concrete construction)

AZRILYANT, Ya.M.

KDELEV, N.P., kandidat tekhnicheskikh nauk, redaktor; AZRILYANT, Ya.M.,
redaktor; MEDVEDEV, L.Ya., tekhnicheskii redaktor.

[Instructions for performing outside stone facing work under winter
conditions] Instruktsiya po proizvodstvu naruzhnykh oblitsovочных
rabot v zimnikh usloviakh. Moskva, Gos. izd-vo lit-ry po stroitel'-
stvu i arkhit., 1954. 10 p. (MIRA 8:5)

1. Russia (1923- U.S.S.R.) Ministerstvo stroitel'stva. Tekhnicheskoye
upravleniye.
(Masonry--Cold weather conditions)

PERFILOV, I.F., inzhener, redaktor; AZRILYANT, Ya.M., redaktor; TOKER, A.M.,
tekhnicheskij redaktor.

[Directives on calculating the homogeneity index of concrete (U-131-54)]
Ukazaniia po vychisleniiu pokazatelia odnorodnosti betona (U-131-54).
Moskva, Gos. izd-vo lit-ry po stroitel'stvu i arkhitekture, 1954. 10 p.
(MIRA 8:2)

1. Russka (1923- U.S.S.R.) Ministerstvo stroitel'stva, Tekhnicheskoye upravleniye.
(Concrete--Tables, calculations, etc.)

NOSKOV, S.K., kandidat tekhnicheskikh nauk, redaktor; AZRILYANT, Ya.M.,
redaktor; MEDVEDEV, L.Ya., tekhnicheskiy redaktor.

[Instruction for using roofing material and insulation under winter
conditions] Instruktsiya po ustroistvu rulonnykh krovel' i gidroizolatsii
v zimnikh usloviakh. Moskva, Gos. izd-vo lit-ry po stroitel'stu i arkhitekture. 1954. 17 p.
(MIRA 8:5)

1. Russia (1923- U.S.S.R.) Ministerstvo stroitel'stva. Tekhnicheskoye
upravleniye.
(Roofing—Cold weather conditions)

AZRILYANT, Ya.M.

ISAYEV, N.V., inzhener, redaktor; AZRILYANT, Ya.M., redaktor; MEDVEDEV, L.Ya.,
tekhnicheskiy redaktor.

[Instructions concerning the use of excavators under winter conditions]
Instruktsiya po razrabotke gruntov ekskavatorami v zimnikh usloviakh.
Moskva, Gos.izd-vo lit-ry po stroitel'stvu i arkhitekture, 1954. 22 p.
(MLRA 8:5)

1. Russia (1923- U.S.S.R.) Ministerstvo stroitel'stva. Tekhnicheskoye
upravleniye.
(Excavating machinery--Cold weather operation)

AZRILYANT, Ya. M.

TEMKIN, L.Ye., inzhener, redaktev; AZRILYANT, Ya.M., redaktor; TOKER, A.M., tekhnicheskij redaktor.

[Instructions for the manufacture of reinforced slag concrete solid floor panels] Uka^{zani}ia po izgotovleniu shlakozhelezobetonnykh sploshnykh panelei perekrytiⁱⁱ (U-126-53). Moskva, Minstroi^u, Gos. izd-vo lit-ry po stroitel'stvu i arkhitekture, 1954. 23 p.
(MLRA 8:1)

1. Russia (1923- U.S.S.R.) Ministerstvo stroitel'stva. Technicheskoye upravleniye.
(Precast concrete construction)

AZRILYANT, Ya.M.

ZHUKOV, D.V., kandidat tekhnicheskikh nauk, redaktor; AZRILYANT, Ya.M.,
redaktor; MEDVEDEV, L.Ya., tekhnicheskiy redaktor.

[Provisional instructions for performing inside plastering work and
drying plaster under winter conditions] Vremennaya instruktsiya po
proizvodstvu vnutrennikh shtukaturnykh rabot i sushke shtukaturki v
zimnikh usloviyah. Utverzhdena Tekhnicheskim upravleniem Minister-
stva stroitel'stva SSSR i Tekhnicheskim upravleniem Ministerstva
stroitel'stva predpriatii metallurgicheskoi i khimicheskoi promysh-
lennosti 9 sentiabria 1954 g. Moskva, Gos. izd-vo lit-ry po stroi-
tel'stvu i arkhitekture. 1954. 30 p. (MLRA 8:5)

1. Russia (1923- U.S.S.R.) Ministerstvo stroitel'stva. Tekhniches-
koye upravleniye.

(Plastering--Cold weather conditions)

AZHILYANT, Ya.M.

GOLOVIN, M.G., kandidat tekhnicheskikh nauk, redaktor; AZHILYANT, Ya.M.,
redaktor; MEDV рЕDEV, L.Ya., tekhnicheskiy redaktor

[Instructions for industrial and civil construction work using concrete and reinforced concrete under winter conditions] Instruktsiia po proizvodstvu betonnykh i zhelezobetonnykh rabot v promyshlennom i grazhdanskem stroitel'stve v zimnikh usloviakh. 2-3 izd.
Moskva, Gos. izd-vo lit-ry po stroitel'stu i arkhitekture, 1954.
31 p. (MIRA 8:6)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut organizatsii i mekhanizatsii stroitel'stva.
(Concrete construction--Cold weather conditions)

AZRILYANT, Ya.M., redaktor; MEDVEDEV, L.Ya., tekhnicheskiy redaktor

[Instruction on the electric heating of reinforced concrete and
masonry (I 94-54)] Instruktsiya po elektroprogrevu zhelezobetona
i kamennoi kladki (I 94-54) NSPMKFB

i arkhitektury, 1954. 66 p. [Microfilm] NSPMKFB (MLRA 8:2)

1. Russia (1923- U.S.S.R.) Ministerstvo stroitel'stva pred-
priyat'y metallurgicheskoy i khimicheskoy promyshlennosti. Tekhni-
cheskoye upravleniye.

(Reinforced concrete construction) (Masonry)
(Electric heating)

TMKIN, L.Ye., inzhener, redaktor; AZRILYANT, Ya.M., redaktor; TOKER, A.M.,
tekhnicheskiy redaktor

[Technological instructions for the electric welding of reinforcements
in reinforced concrete construction (TP-2-54)] Tekhnologicheskie
Minstroi

pravila po elektrosvarke armatury zhelezobetonnykh konstruktsii
(TP-2-54). Moskva, Gos. izd-vo lit-ry po stroit. i arkhitekture,
Minstruk
1954. 71 p.

(MIRA 8:3)

1. Russia (1923- U.S.S.R.) Ministerstvo stroitel'stva. Tekhnicheskoye upravleniye.
(Electric welding) (Reinforced concrete)

AL'FANOV, A.M.

TEMKIN, L.Ye., inzhener, redaktor; AZRILYANT, Ya.M., redaktor;
TOKER, A.M., tekhnicheskiy redaktor.

[Provisional technical conditions and instruction for studying
soils of the foundations of industrial and public buildings and
structures] Vremennye tekhnicheskie uslovija i instruktsii na issele-
dovanie gruntov osnovaniy promyshlennykh i grazhdanskikh zdanii i
sooruzhenii. Moskva, Gos. izd-vo lit-ry po stroitel'stvu i arkhitek-
ture, 1954. 105 p. (MLRA 8:1)

1. Russia (1923- U.S.S.R.) Ministerstvo stroitel'stva. Tekhni-
cheskoye upravleniye.
(Soil mechanics) (Foundations)

BORISOV, V.P., ovetstvennyy redaktor; AZRILYANT, Ya.M., redaktor;
IMKHNOV, V.S., tekhnicheskiy redaktor.

[Production norms for work in planning, paid by the job] Normy vy-
rabitki na proektneye raboty, oplachivaemye sdel'no. Pt. 17. [Hyd-
raulic structures and harbors] Gidrotekhnicheskie sooruzheniya i
porty. Moskva, Gos. izd-vo lit-ry po stroitel'stvu i arkitekture,
1954. 178 p. (MLRA 8:2)

1. Russia (1923- U.S.S.R.) Ministerstvo stroitel'stva.
(Hydraulic engineering--Tables, calculations, etc.)
(Wages)

SOKOLOV, N.M., kandidat tekhnicheskikh nauk, redaktor; AZRILYANT, Ya.M.,
redaktor izdatel'stva; VOLKOV, V.S., tekhnicheskiy redaktor

[Engineering instructions for construction and installation
work] Tekhnicheskie usloviia na proizvodstvao i priemku stroitel'-
nykh i montazhnykh rabot. Moskva, Gos. izd-vo lit-ry po stroit. i
arkhitekture. Section 10. [Special foundations] Ustroistvo spe-
tsial'nykh osnovanii. 1955. 90 p. (MLRA 9:9)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam
stroitel'stva.
(Foundations)

ISAYEV, N.V., inzhener, spetsial'nyy redaktor; AZRILYANT, Ya.M., redaktor; MEDVEDEV, L.Ya., tekhnicheskiy redaktor.

[Construction norms and regulations] Stroitel'nye normy i pravila. Moskva, Gos.izd-vo lit-ry, po stroit. i arkhit. Pt. 3 [Regulations for the management and inspection of construction operations] Pravila proizvodstva i priemki stroitel'nykh rabot. 1955. 208 p. (MLRA 8:9)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam stroitel'stva.
(Construction industry)

ONUFRIYEV, I.A., redaktor; ANICHKIN, P.I., redaktor; BARSKOV, I.M.,
redaktor; GALKIN, Ya.G., redaktor; AZRILYANT, Ya.M., redaktor;
S'YOL'YAKOVA, M.V., tekhnicheskiy redaktor.

[All-Union conference of builders, architects, and workers in
the building materials industry, in construction and road
machinery building, and in planning and research organizations;
Nov. 30-Dec. 7, 1954. Abridged reports] Vsesotsuznace soveshchanie
stroitelei, arkhitektorov i rabotnikov promyshlennosti stroy-
tel'nykh materialov, stroitel'nogo i dorozhnogo mashinostroeniia,
proektnykh i nauchno-issledovatel'skikh organizatsii, 30 nojabri-
7 dekabria 1954 g. Sokrashchennyi stenograficheskii otchet. Moskva,
Gos.izd-vo lit-ry po stroitel'stvu i arkhitektur'e, 1955. 432 p.
(Construction industry—Congresses) (MLEA 8:11)

SURZHANENKO, Anatoliy Yemel'yanovich; AZRILYANT, Ya.M., redaktor; SOKOLOVA, M.A., redaktor; OSTRIROV, N.S., tekhnicheskly redaktor

[Painting a dn alfresco work] Maliarnye i al'freinyye raboty. Moskva, Vses. uchebno-pedagog. izd-vo Turdrezervizdat, 1956. 351 p.
(Mural painting and decoration) (MIRA 9:12)

AZRILYANT, Yakov Markovich; ARSEN'YEV, Lev Borisovich; BRAUDE, Yu.A.,
nauchnyy red.; SHCHERBAKOV, S.N., nauchnyy red.; STRATILATOVA,
K.I., red.; TELINGATER, L.A., red.; PERSON, M.N., tekhn. red.

[For young builders] Molodym stroiteliam. Izd.2., perer. i dop.
Moskva, Proftekhizdat, 1962. 397 p. (MIRA 15:12)
(Building)

AZRILYANT, Ye.L.

Vibration-insulated foundation for a 16-ton stamping hammer. Osn.,
fund. i mekh. grun. 7 no.4:18-19 '65.

(MIRA 18:8)

KURDYUMOV, O.I., inzh.; CHOPOROVA, R.I.; Prinimali uchastiye: AZRILLYANT
Ye.A.; BOGANSKIY, G.I.; SMIRNOV, L.F.; PRAVDA, A.I.; LIVENTSEV, A.V.

Design and use of vibration-proof foundations for forging
hammers. [Nauch. trudy] ENIKMASHa 11:63-77 '65.

(MIRA 18:6)

AZRILYANT, Ye.H., inzh.

Determining the parameters of hammer oscillations on a vibration-proof foundation. [Nauch. trudy] ENIKMASHA 6:129-134 '63.
(MIRA 16:9)
(Forging machinery--Vibration)

AZRILYANT, Ye.A., inzh.

Methods of calculating vibrationproof foundations under hammers.
[Nauch. trudy] ENIKMASHA 6:135-140 '63. (MIRA 16:9)
(Forging machinery--Vibration)

AZRIVELOVICH, S. S.

AZRIVELOVICH, S. S.: "Seeking the optimal technological system of operating automatic bottle-washing machines." Min Higher Education USSR. Leningrad Technological Inst of the Food Indus- tr. Leningrad, 1956.
(Dissertation for the Degree of Candidate in Technical Sciences).

SO: Knizhaya Letopis', No 23, 1956

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Hydrodynamic action of a jet in the bottle-washing process. Spirit.
prom. 22 no.2:10-14 '56. (MLRA 9:8)

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AZRIYEV DMITRI S.S.

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of the October Revolution. Spirit.prom. 23 no.7:40-46 '57.

(MIRA 11:1)

(Leningrad--Liquor industry)

AZRIYAN VODKA, S.S.

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24 no. 4:5-9 '58. (MIRA 11:7)
(Vodka)

AZRIYELOVICH S.S.; STEPANOV, I.A.; BRAZHNICKOV, P.G.

Employees of the Leningrad Liqueur and Vodka Plant are greeting
the 21st Congress of the CPSU with new achievements. Spirit.prom.
25 no.1:11-12 '59. (MIRA 12:2)
(Leningrad--Distilling industries—Equipment and supplies)

AZRIYELOVICH, S.S.

Complete mechanization and automatization of main production
processes at the Leningrad Liqueur and Vodka Plant.
Spirt.prom. 26 no.5:18 '60. (MIRA 13:7)
(Leningrad--Liquor industry--Equipment and supplies)
(Automatic control)

AZRIYEVICH, S.S.

Operating experience of the Leningrad Liqueur and Vodka Plant in
producing low alcohol content and carbonated beverages. Spirit.
pron. 26 no.6:39-42 '60. (MIRA 17:11)
(Leningrad---Beverages)

POPOV, Vladimir Il'ich, prof.; DOBROSEDOV, Leonid Leonidovich; STABNIKOV,
Vsevolod Nikolayevich; ANDREYEV, Konstantin Petrovich; SOKOLOV,
A.Ya., prof., retsentent; AZRIYELOVICH, S.S., kand.tekhn.nauk,
retsentent; KHMEL'NITSKAYA, A.Z., red.; KISINA, Ye.I., tekhn.red.

[Technological equipment of fermentation industries] Tekhno-
logicheskoe oborudovanie predpriatii brodil'noi promyshlennosti.
Izd.4., perer. i dop. Moskva, Pishchepromizdat, 1961. 447 p.
(MIRA 15:5)

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(Distilling industries—Equipment and supplies)

AZRIYEVICH, S.S.

Over-all mechanization and automation of basic production processes.
Spirt. prom. 27 no.6:22-26 '61. (MIRA 14:9)
(Leningrad--Distilling industries--Equipment and supplies)
(Automation)

AZRIYELOVICH, S.S.

Improving the bottle washing process. Spirt. prem. 29 no.7:
24-27 '63. (MIRA 16:12)

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promyshlennosti.

AZRIYELEVICH, S.S.; ANDREYEV, K.P.

Mechanization of loading and unloading operations. Spirt,
prom. 29 no.8; ll-14 '63. (MIRA 17:2)

AZRIYEVICH, S.S.; ANDREYEV, K.P.

Complete mechanization of the container shops in the "Vena"
Brewery in Leningrad. Ferm. i spirit. prom. 30 no. 7:21-23
'64 (MIRA 18:2)

1. Leningradskiy nauchno-issledovatel'skiy institut pishchevoy
promyshlennosti.

AZRIYEVICH, S.S.; ANDREYEV, K.P.

Alkali pump station for bottle washing machines. Ferm. i spirt. prom.
31 no.428-30 '65. (MIRA 18:5)

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pishchevoy promyshlennosti.

AZROV, A., inzhener

Manufacture and use of prestressed concrete railroad ties. Stroi.
mat., izdel. i konstr. 1 no. 4:23-26 Ap'55. (MLRA 8:10)
(Railroads--Ties)

AZROV, A. F., Cand Tech Sci -- (diss) " *Cross Brace Concrete
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1957. 18 pp (Min of Higher Education USSR, Mos Order of Labor
Red Banner Engineering-Construction Inst im V. V. Kuybyshev),
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DONANEVSKIY, Nikolay Alekseyevich, starshiy nauchnyy sotrudnik; IVANITSKIY,
Vyacheslav Aleksandrovich, inzhener; AZROVA, A.G., redaktor; SALAZ-
KOV N.P., tekhnicheskiy redaktor.

[Deepening rocky and stony bottoms] Dnouglubivnye raboty na
skal'nykh i kamenistykh gruntakh. Moskva, Izd-vo "Techno
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DOMANEVSKIY, N.A.; LOSIYEVSKIY, A.I.; MAKKAVEYEV, N.I.; MATLIN, G.M.; RZHANITSYN,
N.A.; AZROVA, A.G., redaktor.; BEGICHIVA, M.N., tekhnicheskiy redaktor.

[Channel processes and improvement of the navigable course in open-channel rivers.] Rualovye protsessy i putevye raboty. Moskva, Izd-vo
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(Rivers--Regulation) (Dredging)

MITAISHVILI, A.A., kand.ekonom.nauk; VUL'FSOIL, M.S., kand.ekonom.nauk;
AZROVA, A.G., red.

[Economy of river transportation of freight] Ob ekonomichnosti
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i eksploatatsii vodnogo transp., 1959. 92 p. (MIRA 12:7)
(Inland water transportation)

MATLIN, G.N.; AZROVA, A.G., red.

[Technical and economic grounds for over-all waterway dimensions]
Tekhniko-ekonomicheskoe obosnovanie gabaritov vodnykh putei;
metodicheskoe rukovodstvo. Moskva, Tsentr.nauchno-issl.in-t ekon.
i eksploatatsii vodnogo transporta, 1959. 209 p.

(MIRA 13:7)

(Inland water transportation--Accounting)
(Hydraulic engineering)

DMITREVSKIY, Vladimir Ivanovich, prof.; AZROVA, A.G., red.; TIKHONOV, Ye.A., tekhn. red.

[Hydromechanics] Gidromekhanika. Moskva, Izd-vo "Morskoi transport," 1962. 295 p. (MIRA 16:3)

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(Fluid mechanics)

MATLIN, Grigorij Markovich; KHACHATUROV, T.S., red.; AZROVA, A.G.,
red.; RIDNAYA, I.V., tekhn. red.

[Economic efficiency of the construction of multipurpose
water power developments; methodological instructions and
calculation example] Ekonomicheskaja effektivnost' sooruzhenija
kompleksnykh gidrouzlov; metodicheskie ukazaniia i primer ras-
cheta. Pod red. T.S.Khachaturova. Moskva, Rechnoi transport,
1962. 57 p. (MIRA 16:6)

1. Chlen-korrespondent Akademii nauk SSSR (for Khachaturov).
(Water resources development--Finance)

NEYGOL'DBERG, Viktor Yakovlevich; RUMYANTSEV, S.M., red.; AZKOVA,
A.G., red.; ZHULIN, V.K., red.

[River transportation of the U.S.S.R. during the years of
the Great Patriotic War] Rechnoi transport SSSR v gody
Velikoi Otechestvennoi voiny. Moskva, Transport, 1965. 255 p.
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AZROVA, TS.S.; ARKHIPOV, A.P.; VINOGRADOV, A.V.; GRABOVSKIY, I.V.;
GRISHINA, R.I.; DMITRIYEV, P.D.; DUBINSKIY, Ye.L.; ZABRODIN,
B.V.; KOLOTIY, M.V.; Krasnov, B.S.; KURDYUKOVA, N.V.; L'VCVA,
Yu.M.; OBUKHOVA, A.V.; FOMIN, V.G.; MEDVEDEVA, M.A., tekhn.
red.

[Album of drawings of TE3, TE7, TE2, TEL, TEM1, and TU2
diesel locomotives; electric apparatus] Al'bom chertezhei
teplovozov TE3, TE7, TE2, TEL, TEM1 i TU2; elektricheskie
apparaty. Moskva, Transzheldorizdat. Vol.2. 1963. 394 p.
(MIRA 16:9)

1. Russia (1923- U.S.S.R.) Glavnoye upravleniye lokomotivnogo
khozyaystva.

(Diesel locomotives--Electric equipment)

L.C.D.L.-67 M(1)/MWT(m) ES/WW
ACCT/NR: AP6024639

SOURCE CODE: UR/0170/66/011/001/0054/6059

AUTHOR: Azroyan, K. K.; Lykov, A. V.; Rabinovich, G. D.; Bobrova, G. I.

ORG: Institute of Heat and Mass Exchange, AN BSSR, Minsk (Institut teplo- i massoobmena AN BSSR)

TITLE: An experimental investigation of the influence of the flow of viscous fluids on transfer processes

SOURCE: Inzhenerno-fizicheskiy zhurnal, v. 11, no. 1, 1966, 54-59

TOPIC TAGS: mass transfer, viscous flow, momentum transfer, gas flow, laminar flow,
heat transfer

ABSTRACT: Thermodynamics of irreversible processes is used for the study of mass- and heat-transfer processes. To verify the theoretical conclusions, the authors designed an experimental device for the determination of the efficiency of separation of gaseous mixtures in laminar motion. The separation of binary molecular mixtures is generated by a viscous momentum transfer, and following a description of the device the paper presents data on separation of aerosols (tobacco smoke) and binary mixtures (aqueous sugar solutions). Under

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UDC: 536.242:621.039.3

L 05618-57

ACC NR: AP6024639

isothermal conditions, the heavier component is found concentrated at the center of a rotating disk, as predicted by the theory. Orig. art. has: 4 figures.

SUB CODE: 20/ SUBM DATE: 15Mar66/ ORIG REF: 002/ OTH REF: 003

Card 2/2 *bdk*

Azroyants, S. A.

15-57-1-977

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 1,
p 156 (USSR)

AUTHOR:

Azroyants, S. A.

TITLE:

Simple Problem of Gravimetry in Dealing With a
Spherical Segment and With a Body of "Drop-Like"
Shape, When the Superfluous Density Along the Radii
is Altered According to the Rectilineal Rule
(Pryamaya zadacha gravimetrii dlya sharovogo segmenta
i tela "kaplevidnoy" formy pri izmenenii izbytochnoy
plotnosti vdol' radiusov po lineynomu zakonu)

PERIODICAL: Sb. nauch. tr. Kazakhsk. gorno-metallurg. in-t ,
1955, Nr 11, pp 5-12

ABSTRACT: Bibliographic entry

Card 1/1

KARTASHOV, K.N., kandidat tekhnicheskikh nauk, redaktor; AZRULYANT,
Ya.M., redaktor; SMOL'YAKOVA, M.V., tekhnicheskiy redaktor.

[Provisional instructions on the use of precast reinforced
concrete elements and parts in building (U107-54)] Vremennye
ukazaniia po primeneniiu sbornykh zhelezobetonnykh konstruktsii
i detalei v stroitel'stve (U 107-54) Izd.2-e. Moskva, Gos.izd-vo
lit-ry po stroitel'stu i arkhitekture, 1955. (MLRA 8:11)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam stroi-
tel'stva.
(Precast concrete construction)

MAKAROV, N.I.; SELYAROV, V.Ya.; ALIKPEROVA, Sh.M.; NADZHAROV, A.F.;
DZEBISASHVILI, Yu.I.; MNATSAKANYAN, A.G.; GDINOCHENKO, O.N.;
AZUGAROVA, M.Kh.; ZYUZIN, A.S.

Morbidity from anthrax in animals and humans in Ciscaucasia and
Transcaucasis in 1960-1961: authors' abstract. Zhur. mikrobiol.
epid. i immun. 40 no.5:112-113 My '63. (MIRA 17:6)

1. Iz Nauchno-issledovatel'skogo protivochumnogo instituta
Kavkaza i Zakavkasya, Azerbaydzhanskoy, Armyanskoy, Gruzinskoy,
Severo-Osetinskoy, Checheno-Ingushskoy respublikanskih sanitarno-
epidemiologicheskikh stantsiy i Azerbaydzhanskoy protivochumnoy
stantsii.

~~AZUGOLNIKOV, S. D.~~

AZUGOLNIKOV, S. D.: "Investigation of the experimental therapy of protozoan diseases." Naval Medical Academy. Leningrad, 1956.
(Dissertation for the Degree of Doctor Medical Sciences)

Source: Knizhnaya letopis' N. 28 1956 Moscow

AZ'VIKIN', P.

Retroaction of the electromagnetic field in a cylindrical resonator on the movement of exciting electrons in the presence of a strong magnetic field. p. 577. ARCHIWUM ELEKTROTECHNIKI. Vol. 4, no. 4, 1955

Source: East European Acquisitions List, (EFAL), Lc, Vol. 5, No.3, March, 1956

4006. CATALYTIC HYDRODIMERISATION OF ACETYLENE UNDER ATMOSPHERIC PRESSURE. Asan, L. I. and Petrov, A. D. (Compt. Rend. Acad. Sci. U.R.S.S., 1946, 53, 619-622).

After postulating a scheme for low-temperature catalytic hydropolymerisation and discussing Sheridan's scheme for high-temperature polymerisation the authors describe experimental conditions for dimerising acetylene to obtain isobutylene. They find that when a Ni-COOL catalyst is used and the H_2/C_2H_2 ratio is 4:1 and the velocities of H_2 and C_2H_2 are 0.7 and 0.18 respectively, 15% by volume of the exit gas is made up of isobutylene, the rest being hydrogen.

ASB-SLA METACHEMICAL LITERATURE CLASSIFICATION

ITEM NO.	SEARCHED	SERIALIZED	INDEXED	SIGN SUMMARY	
				ONE COPY	ONE COPY
1	Y	Y	Y	Y	Y
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94	Y	Y	Y	Y	Y
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96	Y	Y	Y	Y	Y
97	Y	Y	Y	Y	Y
98	Y	Y	Y	Y	Y
99	Y	Y	Y	Y	Y
100	Y	Y	Y	Y	Y

AZUSIENIS, A.; JASEVICIUS, V.; JUODOKAS, A.; JUSKA, A.; MASNAUSKAS, J.:
PUCINSKAS, A.; STRAIZYS, V.; ZDANAVICIUS, K.; ZITKEVICIUS, V.;
SLAVENAS, P., prof., red.; PARREZIENE, A., red.; CECYTE, V.,
tekhn. red.

[Stellar sky] Zvaigzdetasis dangus. Vilnius, Valstybine poli-
tines ir mokslynes literaturos leidykla, 1961. 113 p.

(MIRA 15:3)

(Constellations)

AZVENEV, Ye.K., kand. tekhn. nauk, dots.

Effect of electric-spark grinding on cutting properties of
cutting tools. Izv. vys. ucheb. zav.; mashinostr. no.11/12:
176-185 '58. (MIRA 13:3)

1: Moskovskoye vyssheye tekhnicheskoye uchilishche im. Baumana.
(Metal-cutting tools) (Electric metal cutting)

AZYAMOVA, Ye. N.: Master Tech Sci (diss) -- "The effect of primary utilization of peat soils on their physicomechanical properties". Minsk, 1959. 13 pp
(Acad Sci Beloruss SSR, Dept of Phys-Math and Tech Sci), 200 copies (KL, No 15, 1959, 115)

AZ'YAN, YU. M.

"Study of Free Vibrations in Systems with Lagging Dispersion Feedback." Moscow Order
of Lenin State U imeni M. V. Lomonosov, Moscow, 1955. (Dissertation for the Degree
of Candidate of Physical and Mathematical Sciences)

SO: Knizhnaya Letopis', No. 22, 1955, pp 93-105

621,373 709
Self-Oscillations in a System with
Delayed Feedback. Yu. M. Ayan &
V. V. Migulin. (Radiotekhnika i elektronika)
April, 1956, Vol. No. 4, pp. 418-427.
A system comprising an amplifier and a
time-delay feedback circuit is considered,
taking into account the dispersion of the
circuit. The predicted effects on the
oscillation characteristics of changes in the
circuit parameters were confirmed experi-
mentally.

Physics Faculty, Moscow State U.

A. Z. YAN, V. M.

109-9-2/15

AUTHORS: Az'yan, Yu.M., Rzhevkin, K.S., Senatorov, K.Ya.

TITLE: Transient Characteristics of Junction Transistors. (Perekhodnyye kharakteristiki ploskostnykh poluprovodnikovykh triodov)

PERIODICAL: Radiotekhnika i Elektronika, 1957, Vol.II, Nr 9,
pp. 1097 - 1109 (USSR)

ABSTRACT: It appears that the accurate analysis of the transient characteristics of a simple transistor amplifier is rather involved. An attempt is made, therefore, to simplify the analysis and make it acceptable in normal engineering practice. It is assumed that the transistor is operating linearly, which means that its input signal is of the order of $5 \mu A$ and not of the order of $5 mA$, as assumed by some authors. A transistor circuit operating as a grounded-base amplifier is first analysed and its current transfer coefficient is assumed to be in the form (Ref.7):

$$\alpha(j\omega) = S \frac{w_0}{L_s} \sqrt{1 + j\omega\tau_s}, \quad (1.)$$

where w_0 is the base width, L_s is the diffusion length, τ_s is the lifetime of the carriers in the base. The equation for Card 1/4 α is expressed in terms of the Laplace operators from which

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Transient Characteristics of Junction Transistors.

the transient response of the system is evaluated. This is given by Eq.(4) in which $A = \left(\frac{w_e}{L_0}\right)^2$. Eq.(4) is in the

form of a rapidly converging series. A graph of Eq.(4) is shown in Fig.1, where it is plotted against $\{\}$, which is the time normalised with respect to t_0 , where t_0 is given by Eq.(7). It is shown that the curve of Fig.1 can be satisfactorily approximated by an exponential which is delayed by a time t_0 with respect to the origin. (see Eqs.9). These approximate equations can be used to derive an approximate expression for α as a function of frequency (see Eq.11). For a grounded emitter transistor amplifier the expression for the transfer function is given by:

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Transient Characteristics of Junction Transistors.

$$h_p(t) = - \frac{Sch \frac{w_o}{L_B} \sqrt{1 + p\tau_{tr}}}{p \left(1 - Sch \frac{w_o}{L_B} \sqrt{1 + p\tau_{tr}} \right)} = H_p(p) \quad . \quad (14)$$

Consequently its transient response is expressed by Eq.(16), where α_o is $Sch \frac{w_o}{L_B}$. Again, it is shown that the transient response can approximately be represented by a delayed exponential function, as given by Eqs.(19). Furthermore, the expression for α can also be simplified (see Eq.21). The above theoretical analysis was verified experimentally for a transistor operating in a grounded base circuit (see Fig.4). The resulting response functions for a transistor of the type N-25 are shown in Figs.5 and 7. From the above results it is concluded that the above accurate analysis and also the approximate analysis is applicable not only to small signals but also to comparatively large input signals (up to 5 mA).

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109-9-2/15

Transient Characteristics of Junction Transistors.

There are 8 figures and 9 references, of which 4 are Slavic.

ASSOCIATION: Physics Faculty of the Moscow State University
im. M.V. Lomonosov (Fizicheskiy Fakul'tet Moskovskogo
Gosudarstvennogo Universiteta im. M.V.Lomonosova)

SUBMITTED: February 25, 1957.

AVAILABLE: Library of Congress.

Card 4/4

AZ'YAN, Yu. M.

109-9-10/15

AUTHORS: Az'yan, Yu.M. and Tikhonova, A.A.

TITLE: Some Non-Linear Properties of Junction Transistors Caused by the Base Modulation (Nekotoryye nelineynyye svoystva ploskostnykh triodov, svyazannyye s modulyatsiyey bazy)

PERIODICAL: Radiotekhnika i Elektronika, 1957, Vol.II, Nr 9,
pp.1174 - 1177 (USSR)

ABSTRACT: A grounded-base p-n-p transistor having a resistive load in its collector circuit is considered. The phenomena taking place in the transistor are assumed to be unidimensional so that the concentration of holes in the base region can be described by the diffusion equation:

$$D_p \frac{\partial^2 p}{\partial x^2} - \frac{p - p_0}{\tau_p} = \frac{\partial p}{\partial t}, \quad (1)$$

where D_p is the hole diffusion coefficient, τ_p is the lifetime of the holes in the base and p_0 is the hole concentration in the base. It is assumed that the emitter voltage is in the form $V_e = V_{e0} + V_{e1} e^{j\omega t}$, where V_{e1} is the alternating component of the emitter voltage and V_{e0} is

Card 1/3 the DC component (V_{e1} is much smaller than V_{e0}). Eq.(1)

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Some Non-Linear Properties of Junction Transistors Caused by the Base Modulation.

can be transformed by considering the boundary conditions given by Eqs. (2) and (3) and expressing Eq.(2) as shown by Eq.(4). In the normalised form Eq.(1) is written as shown by Eq.(5) and it has to fulfil the boundary conditions given by Eqs. (6) and (7), where L_p is the diffusion length of the holes in the base region. Solution of Eq.(5) especially for a small alternating voltage component can be expressed as shown by Eq.(15) from which the collector current can be expressed by:

$$i_k(\tau) \sim I_{00} + I_{01}e^{j\omega\tau} + \delta I_{11}e^{j2\omega\tau} + \delta I_{12}e^{j3\omega\tau} - \delta u_0 A^2 I_{01}e^{j\omega\tau}, \quad (18)$$

where the meaning of the various symbols can be understood by referring to Eq.(11) and the formulae on p.1177. Solution of the diffusion equation as given by Eq.(18) for the minority carriers in the base region (which takes into account the change of the base layer as a function of the alternating voltage component at the collector load) shows that the collector current contains the second harmonic of the input signal frequency.

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AZ'YAN, YU. M.

YU. M. AZ'YAN, K. Ya. Senatorov: "Influence of peculiarities of transient characteristics on the operation of a circuit using semiconducting triodes." Scientific Session Devoted to "Radio Day", May 1958, Trudrezervizdat, Moscow, 9 Sep. 58

It is shown that the kind of transient function depends substantially on the bias current of the emitter junction in the small value region. A physical analysis is given of this phenomenon; the conclusions of the research are verified by experiment.

A2'YAN, Yu. M.

10 часов

(с 10 до 22 часов)

B. N. Соколов

Теория и расчет полупроводниковых приборов.

B. N. Веснин

Изучение и расчет температурной зависимости параметров полупроводниковых тонких проволочных тонов

Ю. Р. Киселев

Случайные температурные колебания тонов при работе на полупроводниковых тонках

B. N. Халапо

Случайные температурные колебания тонов при работе на полупроводниковых тонках

M. A. Абакумов

Случайные температурные колебания тонков при работе на полупроводниковых тонках

B. N. Гоман

Установка полупроводниковых усилителей.

11 часов

(с 10 до 22 часов)

Г. Н. Борисовский

Статистика параметров в переходных процессах в полупроводниковых тонках при быстром нагреве

T. N. Петрова

B. N. Кручинин

Исследование статистических законов переходных процессов в полупроводниковых тонках при быстром нагреве и охлаждении от полупроводниковых тонков

A. D. Гарина

Расчет усилительного каскада на транзисторах

B. A. Кузнецов

О расчете режима вспомогательного полупроводникового тонка на работу на полупроводниковый тонок

11 часов

(с 10 до 22 часов)

Ю. Н. Альберт

С. Н. Соколов

С. М. Чубин

Об обобщении метода в электротехнике для в базисных объектах сложного тонка

K. C. Радченко

Влияние полупроводниковых тонков базы на характеристики генераторов тонков

Report intended for the Centennial Meeting of the Scientific Technological Society of
Radio Engineering and Electrical Communications Inc. A. S. Popov (VBORI), Moscow,
8-12 June, 1959

9(4)

PHASE I BOOK EXPLOITATION SOV/3233

Az'yan, Yu. M., G. N. Berestovskiy, L. N. Kaptsov, K. S. Rzhevkin,
and K. Ya. Senatorov

Poluprovodnikovyye triody v regenerativnykh skhemakh (Semiconductor
Triodes In Regenerative Circuits) Moscow, Gosenergoizdat, 1959.
311 p. 12,000 copies printed.

Ed.: S. S. Akalunin; Tech. Ed.: G. Ye. Larionov.

PURPOSE: This book is intended for scientific workers and engineers
interested in problems of transistor application, and for
advanced students specializing in radio physics.

COVERAGE: The book is devoted to investigation of physical pro-
cesses occurring in transistorized feedback circuits, including
generators of quasi-harmonic oscillations, relaxation oscillators
with transformer feedback (blocking oscillators, converters),
and in relaxation oscillators with FC feedback (multivibrators,
triggers). The book begins with a systematic presentation of

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Semiconductor Triodes (Cont.)

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basic physical processes occurring in the transmission of electric signals through transistors. Material is based on the results of investigations made by the department of wave theory at the physics division of MGU, where samples of Soviet alloy-type transistors were used. No personalities are mentioned. References follow each chapter.

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AVAILABLE: Library of Congress

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3/8/60

05209
SOV/142-2-3-17/279(2,3)
AUTHORS:Az'yan, Yu.M., Kaptsov, L.N., Rzhevkin, K.S., Senatorov, K.Ya.

TITLE:

The Terminology Problem in the Field of Semiconductor Electronics

PERIODICAL:

Izvestiya vysshikh uchebnykh zavedeniy, Radiotekhnika, 1959, Vol 2, Nr 3, pp 372-374 (USSR)

ABSTRACT:

The authors refer to the article (Ref.1) by T.M. Agakhanian, N.N. Kononov and N.P. Stepanenko titled "The Terminology in the Field of Transistor Electronics", published in Izvestiya vysshikh uchebnykh zavedeniy, Radiotekhnika, 1958, Vol 1, Nr 4. The authors agree in principle with the content of this article but present some of their own ideas and recommendations. They followed the pattern of ref.1 and divided the article in General Problems, Junctions and Contacts, Diodes, Triodes, Triode Parameters and Circuit Problems. They believe that the term "tranzistor" (transistor) should be replaced by the term "poluprovodnikovy triod" ("semiconductor triode"), since there is no other term in Russian for "poluprovodnikovy diod" (semiconductor diode). Two entirely different terms should not be used for designating two closely related devices. The majority of the other suggestions con-

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The Terminology Problem in the Field of Semiconductor Electronics

tained in ref.1 were acknowledged by the authors of this article as being correct. There is 1 Soviet reference.

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SUBMITTED: February 16, 1959

Card 2/2

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[Arrangement and tuning of radio circuits] Tekhnika montazha
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Mosk.univ., 1960. 353 p. (MIRA 13:5)

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(Radio circuits)

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tekhn. red.

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Analiz raboty blokiring-generatora. Moskva, Izd-vo Mosk.
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(Oscillators, Electron-tube)
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[Construction and adjustment of radio circuits]Tekhnika
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